BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Improvements to roads & drains near behind widia factory to Sriram reddy house upto SWD in Ward No 14 Bagalagunte

							Est. Cost Rs	50.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.138/I.19.1 PW, P & IWTD -SR 2014-15)	Cum							
	CC drain		1	100.00	0.90	0.80	72.00		
	Desilting of drains at Ashok nagar cross roads & behind widia factory road		2	386.00	0.45	0.40	138.96		
							210.96	75.60	**15949.00**
	Basic Rate	70.00							
	Add Area Weightage 8%	5.60							
	Total	**75.60**							
2	**Removing B.S.Slab** of drain and stacking etc., complete Page No. 25/ Item No. 5.32/ PWD SR 2014-15	**Sqm**							
			2	386.00	0.90		694.80		
		Consider 60% Qty					**416.88**	58.32	**24312.00**
	Basic Rate	54.00							
	Add Area Weightage 8%	4.32							
	Total	**58.32**							
3	KSRB 4-1.3: Providing and laying in position **plain cement** concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2014-15)	Cum							
			1	100	0.9	0.15	13.50		
			2	80	0.6	0.15	14.40		
			1	54	2.6	0.15	21.06		
			4	386.00	0.20	0.15	46.32		
	Basic Rate	4488.00					**95.28**	4847.04	**461826.00**
	Add Area Weightage 8%	359.04							
	Total	4847.04							

4	KSRB 5.2.3 Providing and constructing granite/trap/basalt **size stone masonry** in foundation in cement motor 1:6, Stone hammered dressed in courses not less than 20 cms high. Bond stones at two m apart in each course including cost of materials, labour, curing including cost of materials, labour, curing complete as per specifications KBS 5.1.13 Page No 23/Item No 5.36/ PWD SR 2014-15.	Cum							
			1	80	0.60	0.45	21.60		
			1	80	0.45	0.45	16.20		
	Basic Rate	3552.00					**37.80**	3836.16	**145007.00**
	Add Area Weightage 6%	284.16							
	Total	**3836.16**							
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications, Specification NO KBS 4.6.2 Page No 15/ Item No 4.31/PWD SR 2014-15	Sqm							
			4	100	0.90		360.00		
	Basic Rate	271.00					**360.00**	292.68	**105365.00**
	Add Area Weightage 6%	21.68							
	Total	**292.68**							
6	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC Cement @220 kgs with 20 mm and down size graded granite aggregates @ 0.84 cum and fine aggregates @0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well comated, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per , Specification NO KBS 4.1,4.2 Page No 13/ Item No 4.7/PWD SR 2014-15	Sqm							
			1	80	0.45	0.10	3.60		
	Basic Rate	4896.00					**3.60**	5287.68	**19036.00**
	Add Area Weightage 6%	391.68							
	Total	**5287.68**							

7	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix **M1:2:4 with** cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2014-15)	Cum							
			2	100	0.15	0.90	27.00		
			1	100	0.45	0.10	4.50		
			1	54	2.60	0.10	14.04		
			4	386.00	0.20	0.05	15.44		
	Basic Rate	4933.00					**60.98**	5228.98	**318863.00**
	Add Area Weightage 6%	295.98							
	Total	**5228.98**							
8	**Refixing stone slabs** of drains and pointing in CM 1:3 etc complete Page No. 25/ Item No.5.33/ PWD SR 2014-15	**Sqm**							
		Qty Vide Iteam No 2					**416.88**	75.60	**31516.00**
	Basic Rate	70.00							
	Add Area Weightage 8%	5.60							
	Total	**75.60**							
9	**Providing Granite slabs** selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1) Page No. 25/ Item No. 5.31.1/ PWD SR 2014-15	**Sqm**							
			Qty vied Item No 02				694.80		
		Deduct Availabe Qty Vide Iteam No 2					416.88		
	Basic Rate	592.00					**277.92**	639.36	**177691.00**
	Add Area Weightage 8%	47.36							
	Total	**639.36**							
10	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25/ Item No. 5.27/ PWD SR 2014-15**	**Sqm**							
			4	386.00	0.40		617.60		
	Basic Rate	920.00					**617.60**	993.60	**613647.00**
	Add Area Weightage 8%	73.60							
	Total	**993.60**							

11	KSRB 4.9.2 : Providing **T.M.T steel** reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2) 2014-15	q							
	For Bottom & Sides		1	20.00	100.00	0.62	1240.00		
			1	1000.00	2.50	0.62	1550.00		
							2790.00		
						Say	**27.90**	7835.18	**218602.00**
	Basic Rate	7254.80							
	Add 8% A.W	580.38							
	TOTAL	7835.18							
12	Supplying and fixing **precast** rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm							
			1	100.00	0.90		90.00		
			2	386.00	0.90		694.80		
	Data Rates Approved by CE DZ enclosed						**784.80**	1600.00	**1255680.00**
13	KSRRB 500-3: **Scarifying existing** stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100mtr. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 157/ Item No. 21.3/ PWD SR 2014-15**	Sqm							
			1	280.00	4.50		1260.00	82.94	**104509.00**
	Basic Rate	76.80							
	Add Area Weightage 8%	6.14							
	Total	**82.94**							

14	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2014-15, P.No.154, I No.20.18)	Cum.							
	Roads		1	280.00	4.50	0.20	**252.00**	1438.56	**362517.00**
	Basic Rate	1332.00							
	Add Area Weightage 8%	106.56							
	Total	**1438.56**							
15	Providing and applying **primer coat** with S.S. Bitumen emulsion on prepared surface of granular base such as **WBM, WMM** including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWDSR 2014-15, P.No.157, I No.21.6)	Sqm							
			1	280.00	4.50		**1260.00**	34.56	**43541.00**
	Basic Rate	32.60							
	Add Area Weightage 6%	1.96							
	Total	**34.56**							
16	Providing and laying **bituminous concrete** with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filter transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment. rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per MORTH Speicification clause no 500.9 complete in all respects complete as per specification no 509. using 100/200 TPH Capacity H.M.P With sensor paver Gr-II (30 mm to 45 mm) with 6% VG-Bitumen (p-160 161 lt 21.22.2) PWD SR 2014-15	Cum							
			1	280.00	4.50	0.04	**50.40**	11676.96	**588519.00**
	Basic Rate	10812.00							
	Add Area Weightage 8%	864.96							
	Total	**11676.96**							
17	Carraige of Mixed Materials above 15 Km beyound 10Km to 15 Kmslead at P-168, d 15x4.90=73.50	Qty vide Item No11					**50.40**	73.50	**3704.00**

19	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum							
			Qty Vide Item No. 1				230.76	78.24	18055.00
	Loading and Unloading Charges	62.20							
	Lead 4 KMs 2x1.28x4	10.24							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	**78.24**							
20	KRIDL and Quality control Test Charges 11%						L.S		50000.00
21	Miscellaneous and UnforessenCharges								1644.00
								Total	5000000.00

(Rupees.Fifty Lakhs Only)

B.F. Rs 4469102/-

Restricted qty : 9389 Cum

120.00 Cum

1487157.00

Rs 1644.00

1) Job code No : 014-15-000046

2) P. Code : 0190

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary

2 The Estimate is prepared as per the PW,P & IWTD -SR-2014-15

3 The Provision made in estimate are adequate and essential.

4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S

ನಂ. AC(DH) AS 74/14-15 ದಿನಾಂಕ : 02/02/2015

ರೂ. 50.00 lakhs (Rupees Fifty lakhs only)

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

Page No. 31
Sl. No. 74

ಆಫೀಸರ್ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ. CE/02/TS/89/14-15 / 79 ದಿನಾಂಕ : 04/02/2015

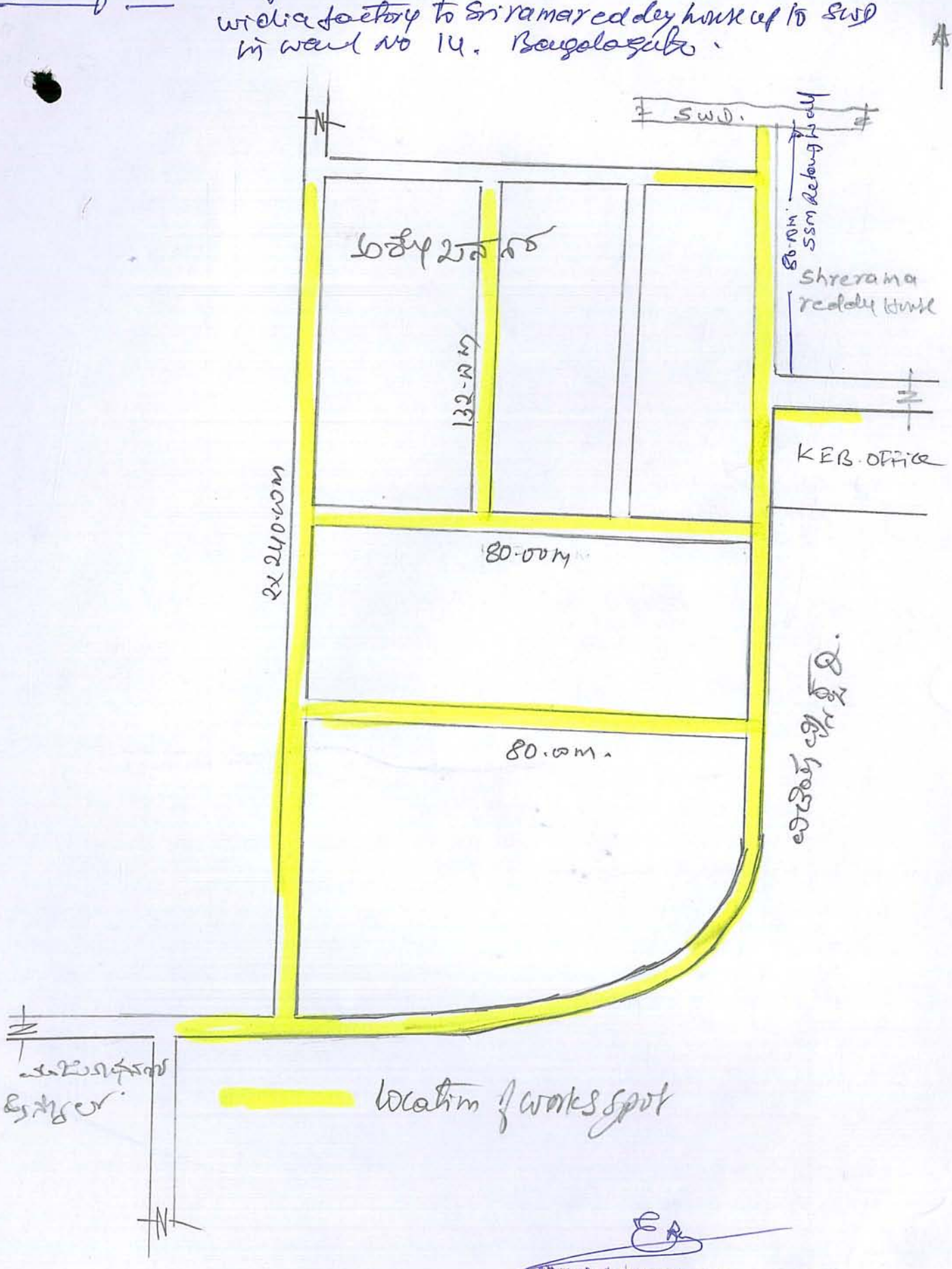
ರೂ. 5000000/- (ರೂಪಾಯಿ ಐವತ್ತು ಲಕ್ಷ)

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

Name of work :- Improvements to roads & drain near behind wipro factory to Sri ramareddy house up to SWD in ward No 14. Bangalagiri.



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಶಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073